

APPENDIX G

Skier Market Assessment Results for the Lookout Pass Ski Area Expansion Draft Environmental Impact Statement

SKIER MARKET ASSESSMENT RESULTS FOR THE LOOKOUT PASS SKI AREA EXPANSION DRAFT ENVIRONMENTAL IMPACT STATEMENT

Background and Methods

As part of the Lookout Pass Ski Area Expansion project, the U.S. Forest Service (Forest Service) identified a need for additional data on skier activity at Lookout Pass Ski and Recreation Area. There are several possible methods to determine skier type/ability, including user contacts, user surveys, and direct observation. Each method has benefits and drawbacks. The Forest Service evaluated all methods and determined that the most efficient and cost-effective method was direct observation. The primary assumption associated with this data collection method is that skiers are skiing their preferred terrain at their most comfortable ability level. Trails at Lookout Pass Ski and Recreation Area are categorized using industry standards to correspond to skier type/ability. For this analysis, categorized trails based on skier type/ability are referred to as “terrain type.”

In order to conduct skier observations, the Forest Service developed a survey protocol and sampling framework to ensure standardized survey techniques and systematic data reporting (Attachment A). Forest Service employees were stationed on ski trails at specific observation points (Table 1) and counted the number of skiers that passed by for a set period of time.

Table 1. Terrain Types and Corresponding Skier Observation Points

Terrain Type	Skier Observation Points
Beginner	Point 1*
Novice	Points 2, 5, and 11
Low intermediate	Points 4, 6, and 7
Intermediate	Points 3, 8, and 9
Advanced intermediate	Point 10*

*Due to the limited amount of beginner and advanced intermediate terrain, Points 1 and 10 were counted in the morning, midday, and afternoon timeframes for each sampling day.

Skier counts were collected at the observation points in 5-minute increments during three timeframes throughout the day (one time in the morning, one time at midday, and one time in the afternoon) to account for lower or higher use during different timeframes. Because the ski area is generally open from 9:00 a.m. to 3:00 p.m. each day, this analysis assumed a total of 72 five-minute observation windows (69 of which were not used) per observation point.

Collected observation data were then extrapolated based on skier counts and total terrain (described below) to determine an estimated total number of ski runs for each terrain type per day.

Observed skier counts were summed for each observation point and each timeframe and then across observation points covering the same type of terrain for each sampling day, resulting in a total number of observed skiers on a given terrain type per day. This count was multiplied by 69 to account for the unobserved times in each day and then was multiplied by a conversion factor to account for terrain within the terrain type that was not captured by observational data (Table 2). Conversion factors were developed

by determining the percentage of terrain that was and was not observed during survey efforts for each terrain type.

Table 2. Percentage of Terrain Observed and Unobserved Terrain and Conversion Factor by Terrain Type

Terrain Type	Percent of Terrain Observed	Unobserved Terrain Conversion Factor
Beginner	100	0
Novice	99	1.01
Low intermediate	75	1.25
Intermediate	89	1.11
Advanced intermediate*	36	1.64

*Unobserved advanced intermediate terrain includes two gladed ski runs that were unavailable for much of the 2014–2015 ski season.

Once the daily ski run counts were estimated, all data were analyzed using IBM SPSS Version 23. The analyses included descriptive statistics (range, minimum, maximum, mean, and standard deviation), analysis of variance (ANOVA), and cross-tabulations (chi-square and correlations).

Results

Lookout Pass Ski and Recreation Area was open 81 days during the 2014–2015 ski season; Forest Service employees conducted surveys on 33 of those days (Attachment B). Using a predetermined 10% margin of error, the confidence level of the data collected and analyzed is approximately 86%. Descriptive statistics were run to determine the average (mean) ski runs per day down a given terrain type (Table 3 and Figure 1).

Table 3. Descriptive Statistics of Estimated Ski Runs Per Day by Terrain Type

Terrain Type	Number of Valid Daily Observations	Range	Minimum	Maximum	Mean (% of total)	Std. Deviation
Beginner	33	21,666	69	21,735	5,401(46%)	5,138
Novice	33	4,809	209	5,018	1,782(15%)	1,478
Low intermediate	33	6,469	518	6,986	3,123(27%)	1,949
Intermediate	33	3,753	0	3,753	891(8%)	1,038
Advanced intermediate	21*	1,924	0	1,924	458(4%)	549

*Due to low snow conditions, advanced intermediate trails or lifts were unavailable during parts of the ski season, leading to a reduced number of observations.

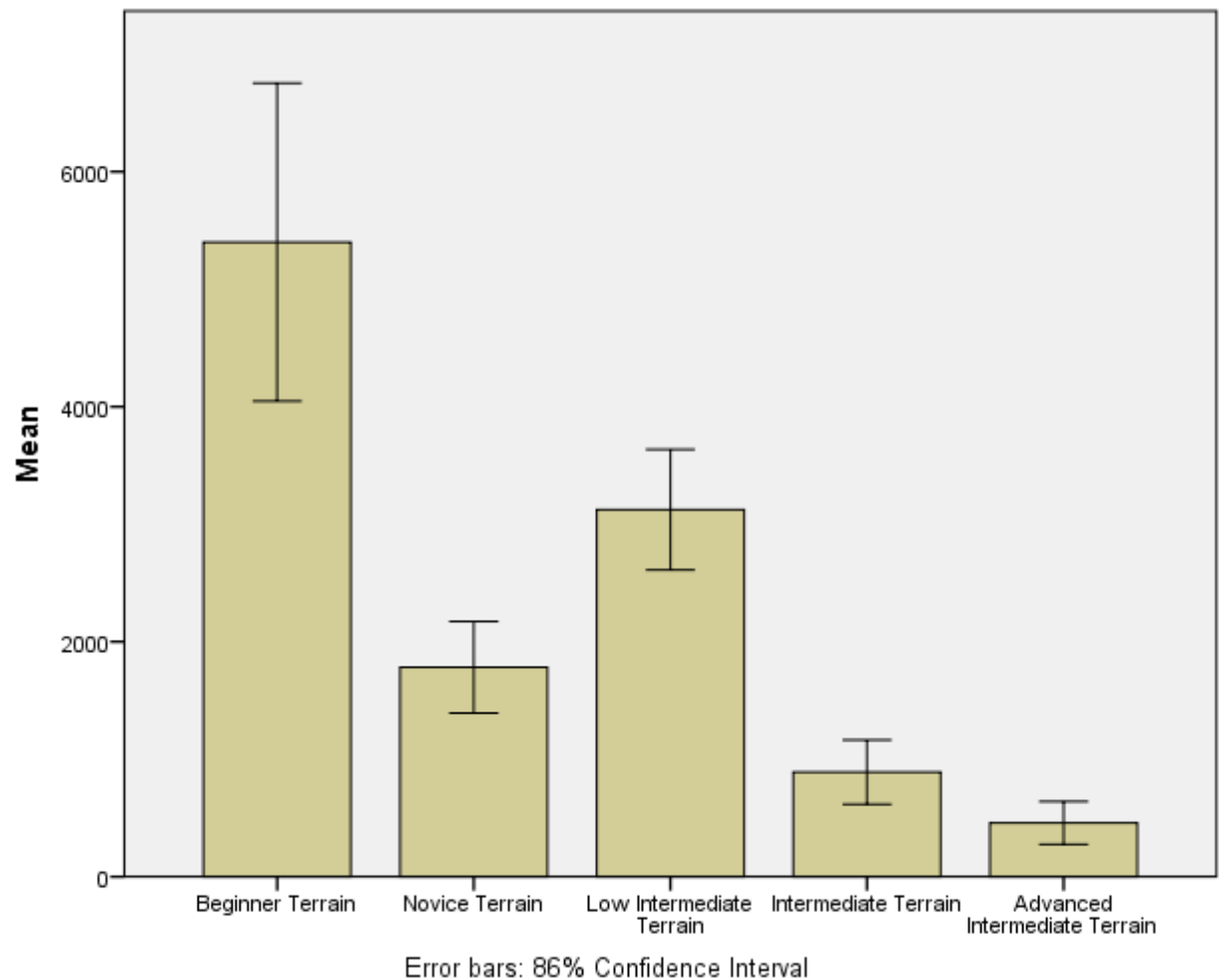


Figure 1. Average runs by terrain type for the 2014–2015 ski season.

The most popular trails, as measured by total skier observation counts, consist of the following beginner to intermediate trails: Success, Black Bear/Gold, Huckleberry/ Grub Stake, Rainbow Ridge, the intersection of Bonanza/Golden Eagle/Interstate, and Keystone/Cloud 9 (Table 4).

Table 4. Total Observed Skiers during the 2014–2015 Season

Observation Point	Terrain Type	Trail Name	Total Number of Observed Skiers
1	Beginner	Success	2,583
2	Novice	Huckleberry/ Grub Stake	351
3	Intermediate	Sundance/Whitetail	150
4	Low intermediate/ intermediate	Keystone/Cloud 9	264
5	Novice	Rainbow Ridge	320
6	Low intermediate	Bonanza/Golden Eagle/Interstate	267
7	Low intermediate	Black Bear/Gold	664
8	Intermediate	Idaho Face/Montana Face	103

Table 4. Total Observed Skiers during the 2014–2015 Season

Observation Point	Terrain Type	Trail Name	Total Number of Observed Skiers
9	Intermediate	Red Dog/Marmot	131
10	Advanced intermediate	Purgatory/Hercules/Big Dipper	85
11	Novice	Quicksilver	173

Because use at ski areas tends to vary throughout the ski season, skier observational data were grouped into three categories: low-visitation days, moderate-visitation days, and high-visitation days. The categories were as follows:

- Low-visitation days (typically mid-week): 76–320 skiers
- Moderate-visitation days (typically Fridays and weekends during early and late ski season): 321–844 skiers
- High-visitation days (typically weekends and holidays): 845 to 2,402 skiers

Descriptive statistics were run to determine the average (mean) ski runs per day down a given terrain type for low-, moderate-, and high-visitation days (Table 5 and Figure 2).

Table 5. Descriptive Statistics of Terrain Type by Visitation Levels

2014–2015 Visitation Levels		Beginner Terrain	Novice Terrain	Low Intermediate Terrain	Intermediate Terrain	Advanced Intermediate Terrain
Low	Mean	1,631	652	1,651	274	85
	Number of Daily Observations	14	14	14	14	8
	Std. Deviation	1,984	458	686	435	168
Moderate	Mean	5,158	1,455	2,663	776	566
	Number of Daily Observations	8	8	8	8	4
	Std. Deviation	886	788	978	793	562
High	Mean	10,375	3,459	5,332	1,762	742
	Number of Daily Observations	11	11	11	11	9
	Std. Deviation	5,627	1,146	1,516	1,175	612

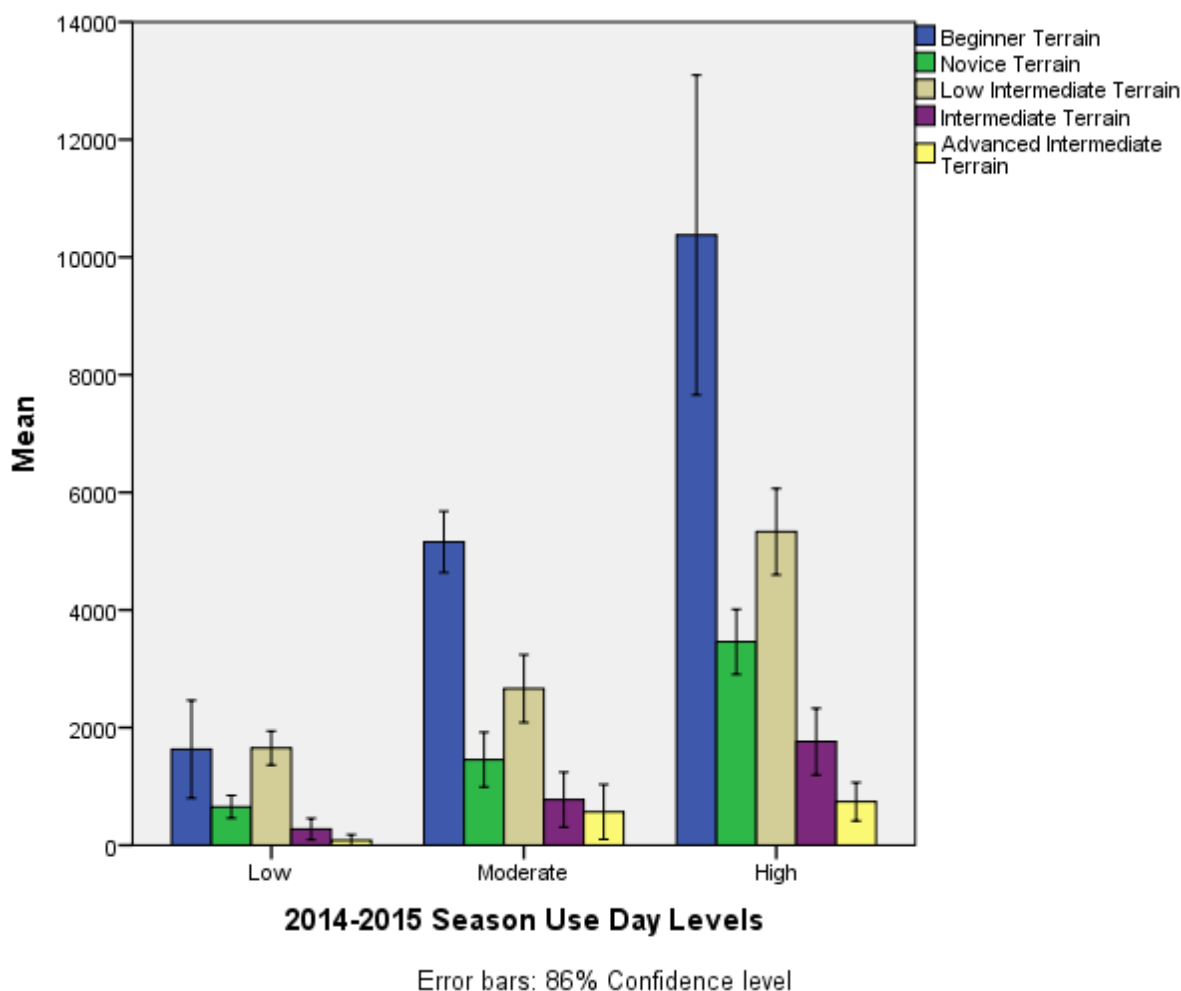


Figure 2. Average (mean) runs for each visitation level by terrain type for the 2014–2015 ski season.

Analysis of observed skier trends in lift use by ability and visitation level were also calculated by linking ski area trails to associated lifts and running descriptive statistics as shown in Table 6.

Table 6. Average Number of Runs on Traditional Ski Trails Per Day by Ability Level during the 2014–2015 Ski Season

	Lift 1		Lift 2		Lift 3		Lift 4	
	Low Visitation	High Visitation	Low Visitation	High Visitation	Low Visitation	High Visitation	Low Visitation	High Visitation
Beginner	N/A	N/A	N/A	N/A	N/A	N/A	1,631	10,375
Novice	249	1,476	488	2,070	N/A	N/A	N/A	N/A
Low intermediate	1,447	3,824	388	1,498	N/A	N/A	N/A	N/A
Intermediate	118	369	130	815	125	706	N/A	N/A
Advanced intermediate	N/A	N/A	N/A	N/A	85	742	N/A	N/A

Table 6. Average Number of Runs on Traditional Ski Trails Per Day by Ability Level during the 2014–2015 Ski Season

	Lift 1		Lift 2		Lift 3		Lift 4	
	Low Visitation	High Visitation	Low Visitation	High Visitation	Low Visitation	High Visitation	Low Visitation	High Visitation
Highest Number of Runs	9,128 on 1/24/15		7,054 on 1/25/15		1,174 on 1/19/15		21,735 on 1/25/15	

Conclusions

Results from the 2014–2015 ski season survey suggest that beginner to low intermediate ski trails associated with Lifts 1, 2, and 4 receive the most use, on average, by visitors throughout the ski season. Skier visitation patterns during the ski season also reflect the day-use nature of the facility; the greatest visitation typically occurs during weekends, holidays, and school breaks.

ATTACHMENT A

Skier Market Assessment Protocol for the Lookout Pass Ski and Recreation Area
Expansion Draft Environmental Impact Statement

SKIER MARKET ASSESSMENT PROTOCOL FOR THE LOOKOUT PASS SKI AND RECREATION AREA EXPANSION DRAFT ENVIRONMENTAL IMPACT STATEMENT

Objective

This protocol was designed to standardize survey techniques and ensure consistent data reporting.

Timing and Number of Visits

This survey protocol required 36 site visits to Lookout Pass Ski and Recreation Area during the 2014–2015 ski season to achieve an 85% confidence interval with a 10% margin of error. Site visits were evenly distributed between low-, moderate-, and high-visitation days (Attachment A1), as follows:

- 12 low-visitation days. Weekdays (Monday through Thursday), particularly during the early season (December) and late season (March), are considered low-visitation days.
- 12 moderate-visitation days. Fridays, Christmas Eve and Christmas Day, and weekends in March are considered moderate-visitation days.
- 12 high-visitation days. Weekends from December through February, days immediately before and after Christmas, and all holiday weekends in January and February are considered high-visitation days.

Days in each of these three use categories were randomly sampled to establish the proposed survey dates (Table 1 and Attachment A1). An additional five randomly selected days were included in each category as backup survey dates in case schedule changes, weather, or other factors precluded surveys on the originally selected dates.

Table 1. Proposed Survey Dates for 2014–2015 Ski Season

Low-Visitation Days	Moderate-Visitation Days	High-Visitation Days
12/15/14	12/19/14	12/21/14
12/18/14	12/24/14	12/23/14
1/8/15	12/25/14	12/30/14
1/12/15	1/23/15	12/31/14
1/14/15	2/6/15	1/2/15
1/21/15	2/20/15	1/4/15
2/5/15	2/23/15	1/11/15
2/11/15	2/27/15	1/24/15
2/25/15	3/14/15	1/25/15
3/9/15	3/15/15	2/14/15
3/12/15	3/21/15	2/22/15
3/13/15	3/22/15	2/28/15

Table 1. Proposed Survey Dates for 2014–2015 Ski Season

Low-Visitation Days	Moderate-Visitation Days	High-Visitation Days
Backup Dates		
1/22/15	1/9/15	12/26/14
1/28/15	1/16/15	1/1/15
1/29/15	2/13/15	1/3/15
3/5/15	2/19/15	2/1/15
3/23/15	3/6/15	2/16/15

Survey Coverage

Eleven observation points were established to provide survey coverage across all existing terrain types (beginner, novice, low intermediate, intermediate, and advanced intermediate) for each survey date. In some cases, observations at a single trail or lift could capture the majority of use for skiers of a specific ability level. For example, Success/Lift 4 is the only trail/lift that accesses beginner terrain, so sampling at that trail/lift captured all beginner use at Lookout Pass Ski and Recreation Area. Similarly, Lift 3 provides the primary access to advanced intermediate ski trails, so sampling at the base of Lift 3 captured most of the advanced intermediate skier activity. In other cases, multiple observation points were necessary to sample across a specific terrain. Obtaining novice skier activity data, for example, required sampling on the Huckleberry, Rainbow Ridge, and Quicksilver trails, which cover approximately 51%, 43%, and 4% of all novice terrain, respectively.

Table 2 lists all observation points, and these points are also noted on the trail map in Attachment A2. The proposed observation points were not originally ground-truthed, and the survey protocol relied on the U.S. Forest Service (Forest Service) to confirm the appropriateness of proposed observation points during the first survey and to make adjustments, as needed, to effectively and safely capture skier activity along designated trails. It is also important to note that not all observation points were used every time. The survey rotated among observation points for novice, low intermediate, and intermediate terrain. When counting near the base of lifts, the observer took care to count only those skiers approaching the lift from the type of terrain or trails being counted. Additional details are provided in the Survey Methods section, below.

Table 2. Proposed Observation Points for the Lookout Pass Ski and Recreation Area Skier Survey

Observation Point	Terrain Type	Trail Name	Observation Point Description
1	Beginner	Success	Base of Lift 4
2	Novice	Huckleberry/Grub Stake	Right of Lift 1 base where Grub Stake trail ends
3	Intermediate	Sundance/Whitetail	Near top of trails below Lift 2

Table 2. Proposed Observation Points for the Lookout Pass Ski and Recreation Area Skier Survey

Observation Point	Terrain Type	Trail Name	Observation Point Description
4	Low intermediate/ intermediate	Keystone/Cloud 9	At top of peak, where the two trails separate. Note: During low-visitation days it might have been possible for the observer to conduct counts for both trails. If this was not feasible or if skier volume was too high, this protocol requested that the observer move farther down the Keystone trail and record counts for that trail only.
5	Novice	Rainbow Ridge	Top of Lift 2, follow trail down past Keystone and Cloud 9 trails and stop at first site that permits easy counting of Rainbow Ridge use.
6	Low intermediate	Bonanza/Golden Eagle/Interstate	Partway down Idaho side of ski area where trails intersect.
7	Low intermediate	Black Bear/Gold	At intersection of two trails.
8	Intermediate	Idaho Face/Montana Face	Near top of trails below Lift 1, where use of both trails is visible.
9	Intermediate	Red Dog/Marmot	Left of Lift 3 base where trails converge.
10	Advanced intermediate	Purgatory/Hercules/Big Dipper	Base or slightly right of Lift 3 where trails converge.
11	Novice	Quicksilver	Partway down the Idaho side of the ski area before trail joins Golden Eagle.

Survey Methods

This protocol used visual observations from a stationary position as an efficient approach to assess skier numbers and distribution.

General Guidelines

This survey protocol divided the ski day into three timeframes:

- Morning (9:00 a.m. to 11:00 a.m.)
- Midday (11:00 a.m. to 1:00 p.m.)
- Afternoon (1:00 p.m. to 3:00 p.m.)

On each designated survey date (see Table 1), a Forest Service observer traveled to Lookout Pass Ski and Recreation Area to conduct skier counts. The observer arrived by 9:00 a.m., and all survey work was completed by 3:00 p.m.

At the start of the morning timeframe, the observer traveled to the first designated observation point on their survey form (see the points noted on Attachment A2 and the example survey forms provided as Attachment A3). The observer identified a stationary position out of the flow of skier traffic with an unobstructed view and counted skiers passing their location for 5 minutes. At the end of the 5-minute period, the observer recorded their observations per the guidance in the Reporting Results section below, and moved to the next observation point to re-commence skier counts until all listed observation points had been covered.

This process was completed again during the midday and afternoon timeframes, resulting in three sets of skier counts at the end of the day.

Observation Point Rotation

To avoid over-representing the terrain by having multiple observation points, this survey protocol used one observation point for each terrain type during each survey timeframe. For ease of implementation, observation points were pre-populated on three different survey forms (see examples in Attachment A3). To ensure appropriate rotation, each survey form was used four times for low-visitation, moderate-visitation, and high-visitation days. Table 3 provides an example.

Table 3. Example Distribution of Survey Forms by Survey Date and Use Category

	Survey Form Version (V) 1 Dates	Survey Form V2 Dates	Survey Form V3 Dates
Low-visitation days	12/15/2014; 1/12/2015; 2/5/2015; 3/9/2015	12/18/2014; 1/14/2015; 2/11/2015; 3/12/2015	1/8/2015; 1/21/2015; 2/25/2015; 3/13/2015
Moderate-visitation days	12/19/2014; 1/23/2015; 2/23/2015; 3/15/2015	12/24/2014; 2/6/2015; 2/27/2015; 3/21/2015	12/25/2014; 2/20/2015; 3/14/2015; 3/22/2015
High-visitation days	12/21/2014; 12/31/2014; 1/11/2015; 2/14/2015	12/23/2014; 1/2/2015; 1/24/2015; 2/22/2015	12/30/2014; 1/4/2015; 1/25/2015; 2/28/2015

Equipment

The following equipment was necessary to conduct the Lookout Pass Ski and Recreation Area skier survey:

- Standardized survey forms (plus extra copies)
- Timer or watch
- Handheld counter
- Clipboard and multiple pencils and/or permanent (waterproof) ink pens
- Trail map with marked observation points in clear plastic/mylar overlay (if available)
- Global positioning system (GPS) unit (recommended to aid in the identification and consistent return to specific observation points)

Reporting Results

All appropriate information was to be entered on the survey form (see Attachment A3) while still in the field. Any survey irregularities (e.g., missed observation points or early ski area closure) were noted on the form. Observers provided the original copies to Kerry Arneson, NEPA Planner at Idaho Panhandle National Forests, Coeur d'Alene River Ranger District and submitted a scanned copy via email to Sue Wilmot at SWCA Environmental Consultants (swilmot@swca.com). Any changes made to the locations of observation points were documented on the trail map and/or via GPS for future survey use, and a copy was provided to SWCA.

Attachment A1: Calendar

This 2014–2015 ski season calendar is color-coded to correspond to low-, moderate-, and high-visitation use based on past ski season trends.

- Low-Visitation Days
- Moderate-Visitation Days
- High-Visitation Days

December 2014						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

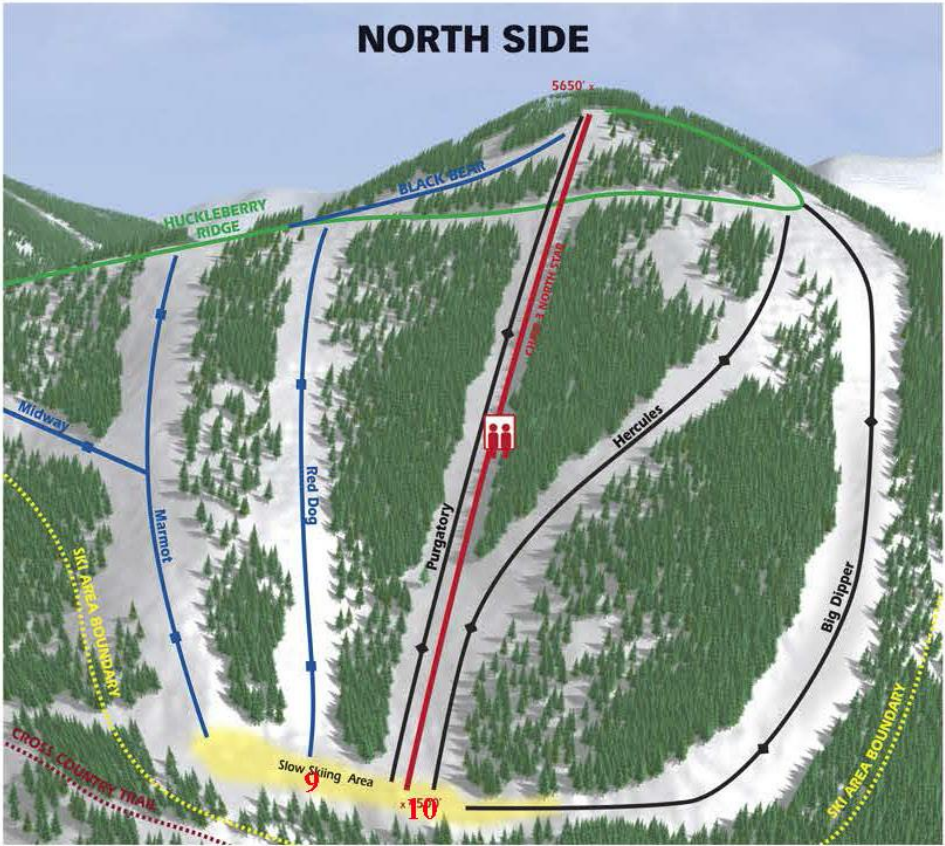
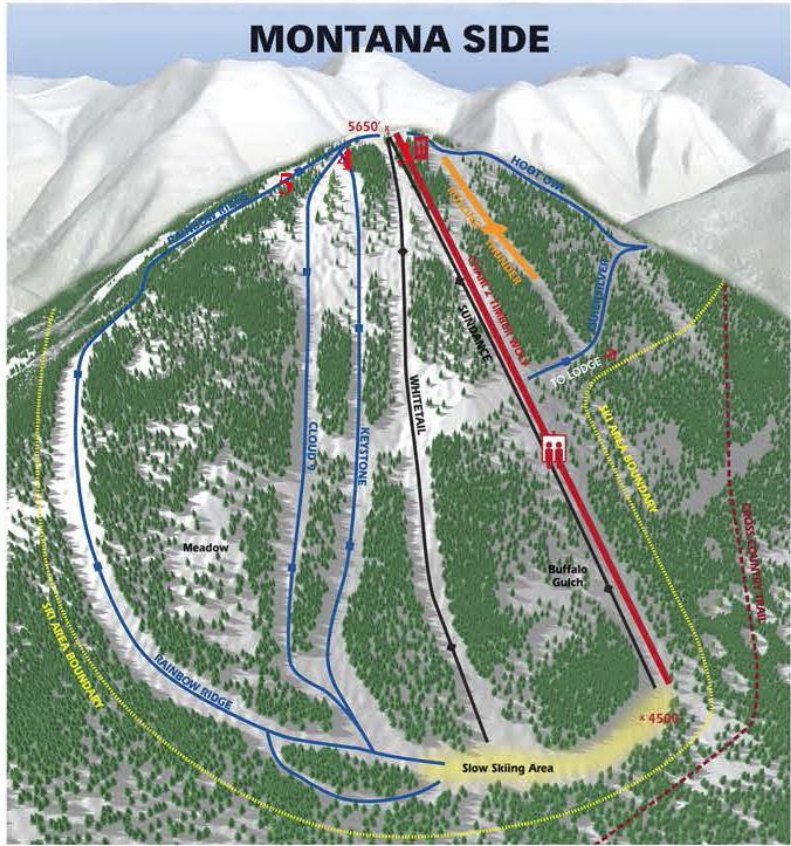
March 2015											
Sunday		Monday		Tuesday		Wednesday		Thursday		Friday	
1		2		3		4		5		6	
8		9		10		11		12		13	
15		16		17		18		19		20	
22		23		24		25		26		27	
29		30		31							

February 2015											
Sunday		Monday		Tuesday		Wednesday		Thursday		Friday	
1		2		3		4		5		6	
8		9		10		11		12		13	
15		16		17		18		19		20	
22		23		24		25		26		27	

January 2015										
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday				
				1	2	3				
4	5	6	7	8	9	10				
11	12	13	14	15	16	17				
18	19	20	21	22	23	24				
25	26	27	28	29	30	31				

Attachment A2: Trail Map

This page intentionally blank



BEGINNER	●	20% EASIER
INTERMEDIATE	■	50% MORE DIFFICULT
ADVANCED/EXPERT	◆	20% MOST DIFFICULT
EXPERT	◆◆	10% EXTREME
FREESTYLE TERRAIN	○	

Freestyle Terrain may include half pipes, as well as terrain parks and terrain features. They are provided for your enjoyment and offer adventure, challenge and fun. However, Freestyle Terrain use, like all skiing and riding, exposes you to the risk of serious injury. Prior to using Freestyle Terrain, it is your responsibility to familiarize yourself with all instructions and warnings and to follow "Your Responsibility Code."

- "YOUR RESPONSIBILITY CODE"**
This is a partial list. Be safety conscious.
1. Always stay in control, and be able to stop or avoid other people or objects.
 2. People ahead of you have the right of way. It is your responsibility to avoid them.
 3. You must not stop where you obstruct a trail, or are not visible from above.
 4. Whenever starting downhill or merging into a trail, look uphill and yield to others.
 5. Always use devices to help prevent runaway equipment.
 6. Observe all posted signs and warnings. Keep off closed trails and out of closed areas.
 7. Prior to using any lift, you must have the knowledge to load, ride, and unload safely.



**SUSTAINABLE
SLOPES**
The environment charter for ski areas
www.skilookout.com



Be advised that all fencing, equipment covers, signage, ropes and other marking devices are in place to inform you and to indicate a potential obstacle or hazard. These markers will not protect you from injury. It is your responsibility to stay away from marked areas.

This page intentionally blank

Attachment A3. Example Survey Forms

Skier Survey Form V1

Date_____

Observer_____

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1			
2			
4			
3			
10			

Mid-Day Timeframe (11 AM-1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1			
5			
6			
8			
10			

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1			
11			
7			
9			
10			

Additional Observer Notes (if any):

Skier Survey Form V2

Date _____

Observer _____

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1			
5			
6			
8			
10			

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1			
11			
7			
9			
10			

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1			
2			
4			
3			
10			

Additional Observer Notes (if any):

Skier Survey Form V3

Date _____

Observer _____

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1			
11			
7			
9			
10			

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1			
2			
4			
3			
10			

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1			
5			
6			
8			
10			

Additional Observer Notes (if any):

This page intentionally blank

ATTACHMENT B

Completed Skier Surveys

Skier Survey Form V2

Date 2/11/15

Observer Seth Patton

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	9:00-9:05	0	
5	9:17-9:22	2	
6	9:37-9:42	5	
8	9:45-9:50	0	Very Foggy
10	NA	NA	Chair 3 closed

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:00-11:05	45	12-15 still on hill
11	11:05-11:10	1	
7	11:25-11:30	7	Fog is lifting out
9	NA	NA	Chair 3 closed
10	NA	NA	" "

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1:55-2:00	21	3-5 people still on hill
2	1:40-1:45	4	
4	1:20-1:25	4	Thin coverage signs at top
3	1:00-1:05	1	Thin coverage signs at top
10	NA	NA	Chair 3 closed

Additional Observer Notes (if any):

- Chair 3 and all runs to it are closed on this day, due to poor snow conditions
- Very poor coverage at bottom of chair 2 as well
- Turned out to be a nice sunny day

Skier Survey Form V2

Date 2/6/2015

Observer Seth Patten

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	9:02 - 9:07	0	Very Rainy / No Skiers
5	9:14 - 9:19	2	Pain slowing some
6	9:28 - 9:33	0	
8	9:19 - 9:24	1	
10	10:00 - 10:05	2	Coverage is very poor

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:00 - 11:05	19	Rain stopped / Lessons in progress 26 skiers on lift
11	11:06 - 11:11	0	
7	11:21 - 11:26	11	
9	11:40 - 11:45	0	Minimal coverage at this location to this day point
10	11:45 - 11:50	0	Lift operator noted he had <u>two</u> in last half hour

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1:00 - 1:05	23	6-7 more skiers up top
2	1:08 - 1:13	2	Chair 1 went down approx 12:45
4	N/A	NA	
3	N/A	NA	
10	N/A	NA	

Additional Observer Notes (if any):

By 1:00 - 1:15 Chair 1 went down and they began evacuating folks off of lift. Was not able to get up mountain to complete final three stations.

Appendix C: Skier Survey Form V1

Date 2/5/2015

Observer Tammy Maiolie

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	9:00	0	no skiers on hill
2	9:10	1	
4	9:24	0	
3	9:30	0	
10	9:55	0	

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:00	1	no skiers on hill
5	11:15	0	
6	11:25	6	
8	11:40	2	
10	11:50	0	

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1:00	0	no skiers on hill
11	1:16	2	
7	1:34	10	
9	1:56	0	
10	1:56	0	

Additional Observer Notes (if any):

0530 32° F
 Winds 0-5 SW
 Lodge 37"
 Top 62"
 2" new snow
 morning - cloudy, rain
 afternoon - cloudy, dry

All runs open except lower Sundance. Snow is wet & heavy.
 Approximately 50 cars in parking lot.

Skier Survey Form V3

Date 1/25/2015

Observer M. Hendrickson

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	10:40	114	Crazy! Several large group lessons
11	10:30	17	Icey + shaded, groomed
7	10:15	14	Icey, groomed
9	10:00	4	Icey + thin cover, groomed
10	10:05	1	Icey + thin cover, Not groomed

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:45	105	Sunny + soft
2	11:40	25	top icy, bottom soft
4	11:05	27	8 were for ski patrol training
3	11:10	15	
10	11:20	0	Still icy + very thin cover. Run 9 had 5

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	14:00	96	busy + super sunny
5 Rainbow	13:05	30	little icy still groomed
6 (Donanza)	13:45	36	mashed potatoes
8 #1 lift	13:30	7	top shaded, bottom soft
10	13:15	0	Still really bad, Run 9 had 4

Additional Observer Notes (if any):

Very warm, 40° @ base at 9:00. Partly Cloudy on front side, cloudy on Idaho
 Race day, several school buses
 Morning most people on green groomed bc of ice
 Afternoon sunny + very warm, front of hill softened up.
 Lots of people out on the park.

No new snow in 24 hrs, yesterday was rain

Skier Survey Form V2

Date 1/24/15

Observer L. Davis

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	958	59	Freeride school at least 100 plus on the hill
5	926	16	
6	950	5	
8	944	3	
10	911	1	Run 9 (3) old more ground showing

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1135	58	60 on the hill
2	1126	44	
7	1100	47	
9	1109	8	Plus 10 ski patrol
10	1109	8	

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1348	64	15 on the hill
5	1326	9	
4	1317	29	
3	1317	9	
10	1301	3	Run 9 (15)

Additional Observer Notes (if any):

Rainy, foggy & temp 37°-41°.
Rocks & stumps are starting to show on some runs.

Appendix C: Skier Survey Form V1

Date 1/23/2015

Observer Tammy Maiolie

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	9:00	5	7 on hill
2	9:10	0	
4	9:35	12	
3	9:44	2	
10	10:05	2	

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:00	28	35 on hill
5	11:15	12	
6	11:31	4	
8	11:46	4	
10	12:00	5	

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1:00	38	22 on hill
11	1:15	1	
7	1:34	22	
9	1:55	22	
10	1:55	0	

Additional Observer Notes (if any):

Time: 0530 29°F
 Winds 0-5 SW
 Top 78"
 Lodge 47"
 1" new
 packed powder c-1
 cloudy

Good ski conditions
 About 150 cars in
 parking lot

Appendix C: Skier Survey Form V1

Date 1/22/15

Observer JAYME BERARD

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	1000	27	ski school
2	0951	0	
4	0920	0	
3	0915	1	
10	0932	0	

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1154	14	
5	1118	2	
6	1144	0	
8	1136	2	
10	1100	0	

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1349	17	
11	1342	2	
7	1304	6	
9	1314	4	
10	1314	0	

Additional Observer Notes (if any):

Sunny and beautiful, Weekday so not a lot of people. Snow is good and well-groomed. Low use day. Got really icy in the afternoon. Lots of activity on the bunny hill.

Skier Survey Form V3

Date 1/21/15

Observer Linda Davis

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	958	0	
11	952	3	
7	924	14	
9	933	4	
10	933	0	

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1139	11	
2	1132	1	
4	1100	10	
3	1100	13	
10	1115	0	Run 9 - had 16

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1400	8	
5	1300	9	
6	1352	8	
8	1345	5	
10	1328	0	Run 9 - had 4

Additional Observer Notes (if any):

Sunny beautiful day!

Skier Survey Form V3

Date 1/19/2015

Observer Linda D. & Jayme B

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	955	23	
11	948	7	
7	910	12	
9	920	1	
10	920	0	

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1234	35	
2	1211	27	
4	1137	27	
3	1137	21	
10	1152	5	

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1340	40	
5	1300	30	
6	1328	8	
8	1321	5	
10	1325	12	

Additional Observer Notes (if any):

Snow decent up top. Icy everywhere else, especially at bottom of station 5 & 10. Midday had slight chair delays due to people. Busy day.

Skier Survey Form V2

Date 1-18-15

Observer Ryan Nipp

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	10:30	2 2	30 min chair delay due to high winds
5	9:55 9:55	12	38 additional on the Hill
6	10:15	2	H: High winds
8	10:08	1	
10	9:36	1	icy snow conditions - rained previous night.

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:10	21	16 additional on the Hill
11	11:00	3	
7	11:30	21	
9	11:55	3	H: winds and icy conditions
10	11:55	1	" "

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1:50	30	20 additional on the Hill
2	1:00	22	
4	1:15	10	
3	1:15	1	
10	1:25	1	

Additional Observer Notes (if any):

Appendix C: Skier Survey Form V1

Date 1-16-15

Observer Ryan Mipp & Linda Davis

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	10:11	7	46 additional on the hill
2	9:54	2	
4	9:20	8	High winds on top
3	9:23	0	
10	9:37	0	

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:40	32	50 additional on the Hill
5	11:00	15	
6	11:30	3	
8	11:20	3	Hi winds
10	12:00	11	

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1:50	42	20 additional on the Hill
11	1:00	2	
7	1:15	21	
9	1:30	3	
10	1:30	0	

Additional Observer Notes (if any):

Skier Survey Form V2

Date 11/14/2015

Observer Tammy Maiolic

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	9:00	0	
5	9:15	2	
6	9:35	0	
8	9:52	0	
10	10:05	0	

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:00	2	4 on run
11	11:15	5	
7	11:30	6	
9	11:50	1	
10	11:50	0	

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1:05	4	6 on run
2	1:15	5	
4	1:29	12	
3	1:35	0	
10	1:56	0	

Additional Observer Notes (if any):

packed powder; some ice on runs. Blue skies and sunshine.

Appendix C: Skier Survey Form V1

Date 1/11/15

Observer S. Jerome

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	1052	33	60 Additional on hill (Lessons + Beginners)
2	1045	14	
4	1018	23	
3	1024	21	
10	1031	1	Poor land has Exposed Veg & Ice under 4" snow.

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1100	50	29 Additional on hill
5	1117	29	
6	1200	20	
8	1153	3	
10	1138	6	

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1350	113	Additional 23 on hill
11	1356	9	
7	1341	37	
9	1324	17	
10	1324	1	

Additional Observer Notes (if any):

Approx 30° with several inches of new snow. Nice day with some sun breaks & mild temps.

Appendix C: Skier Survey Form V1

Date 11/12/15

Observer SUE COLYER

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	9:15	1	
2	9:28	1	
4	9:49	2	
3	10:11	2	
10	10:46	2	HERCULES THINICOVER PERCENTORY CLOSED

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:08	16	
5	11:28	7	
6	11:53	2	
8	12:07	2	
10	12:34	2	SAME NOTES AS ABOVE

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1:17	3	
11	1:22	1	
7	1:39	14	
9	1:58	0	
10	2:03	0	SAME NOTES AS ABOVE

Additional Observer Notes (if any):

Mostly cloudy, no new snow. Temp about 30°F.

Appendix C: Skier Survey Form V1

Date 1/9/15

Observer S. Jensen

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	0930	65	Several classes in on hill during survey, additional
2	0937	1	
4	0952.5	9	
3	0958.5	1	
10		0	Hercules, Big Dipper + Purgatory are closed due to icy conditions + exposed veg.

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1100	22	15 additional on hill
5	1119	9	
6	1140	5	
8	1134	0	Bad conditions (Hard Snow)
10			Closed

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1303	21	0 additional on hill
11	1309	1	
7	1329	19	
9	1341	3	
10			Closed

Additional Observer Notes (if any):

Sunny morning. No new snow. Groomed runs have pretty good conditions; though still stumps exposed in places. ~~off~~ Hard crusty snow in un-groomed areas - terrible.

19° Cold Wind 71" top 42" base

Skier Survey Form V3

Date 1/8/2015

Observer T. Maiolie

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	9:10	0	Lift closed for repair from 0905 to 0910
11	9:27	2	
7	9:45	10	
9	10:05	1	
10	10:05	0	

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:00	5	8 skiers on hill
2	11:06	8	
4	11:21	6	
3	11:30	0	
10	11:51	0	

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1:04	6	7 skiers on hill
5	1:20	4	
6	1:40	4	
8	1:55	0	
10	2:05	0	

Additional Observer Notes (if any):

30°F
Winds: 0-5 NW
Top - 71"
Lodge - 42"

Groomed runs are in good condition
Un-groomed runs have an icy crust and are not skiable.
Sunny until 1100 and then became cloudy

Skier Survey Form V3

Date 1/4/2015

Observer T. Maiolie

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	9:00	9	
11	9:26	5	
7	9:44	36	
9	10:05	11	
10	10:10	4	

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:00	61	
2	11:11	22	
4	11:30	18	
3	11:40	5	
10	12:04	1	

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1:00	46	
5	1:23	17	
6	1:45	13	
8	2:03	12	
10	2:19	0	

Additional Observer Notes (if any):

25°F
winds, 0-3 SW
top - 62"
lodge 36"
powder; pack powder
All lifts running, all
runs open

snowing lightly
good skiing conditions
some obstacles such as
trees & rocks exist on
runs
ski races in progress

Skier Survey Form V2

Date 1/2/15

Observer Sarah Jenne

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	1006	65	Very Busy
5	1022	13	
6	1040	6	
8	1055	6	Chair 1 stopped twice during count. Last Survey (1105). Vegetation still showing. Poor conditions on these runs so little use.
10	1105	0	

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1128	77	
11	1122	19	
7	1148	33	
9	1158	16	
10	1158	4	

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1333	83	
2	1334	14	
4	1319	20	
3	1326	14	
10	1305	4	

Additional Observer Notes (if any):

About 3" of new snow, temp 18°. Good skiing conditions. Lift lines were about 5 minutes at the most → probably more of a moderate use day, rather than high use.

Appendix C: Skier Survey Form VI

Date 12/31/2014

Observer T. Maiolic

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	9:15	10	
2	9:34	1	
4	9:51	6	
3	10:11	5	
10	10:40	4	

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:00	27	Mother & child (no skis) were on run.
5	11:23	10	Not counted.
6	11:44	18	
8	12:00	2	
10	12:15	1	

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1:00	37	
11	1:20	2	
7	1:40	46	
9	2:06	0	
10	2:12	0	

Additional Observer Notes (if any):

5°F and sunny with light wind. Base - 23", top - 58", packed powder. Chairs 1-4 running, all lifts open. No waiting in lift lines. Some rocks, brush & tree tops exposed on runs.

Skier Survey Form V3

Date 12-30-14

Observer K Bowman

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	1018	20	Did not count 4 instructors; cold & sunny
11	0958	2	cold & sunny
7	0949	10	cold & sunny
9	0927	0	cold
10	0933	0	cold

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1240	24	cold & sunny
2	1200	10	"
4	1129	Cloud 9:2 Keys time: 10	"
3	1136	11	"
10	1111	0	early conditions; thin cover

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1413	15	Cold & sunny -1°F
5	1308	5	Burr
6	1334	3	cold & sunny
8	1344	11	cold & sunny
10	1350	2	Asked skiers how conditions were "horrible" "lots of rocks"

Additional Observer Notes (if any):

Cold blue bird day. No new snow last 24 hrs. High was 25°F. Back @ truck @ 1430 temp was -1°F.

Appendix C: Skier Survey Form V1

Date 12/26/14

Observer M. Hendrickson

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	9:30	43	
2	9:50	13	
4	10:20	27	
3	10:10	21	
10	10:30	0	All trails closed down that side still

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:40	90	Very busy!
5	11:00	10	
6	11:15	13	
8	11:10	5	Very thin coverage
10		0	All trails + skiers left of lift are still closed

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	13:10	74	
11	13:00	13	
7	14:00	36	
9	13:40	23	thin cover, lots of rocks, only 2 trails
10		0	Trails leading to 10 are closed still

Additional Observer Notes (if any):

Still very thin coverage + not all trails open. would consider it a heavy use day still, there were lines + parking lot was quite full.

All lifts were open.
Cloudy, spitting snow in morning. 21°F when arrived @ 9:00
Afternoon partly sunny.

Skier Survey Form V2

Date 12-24-14

Observer K Bowman

Snow Report
Lodge 31° 0-5 mph wind

Top depth 41"

Lodge depth 21"

5" new snow ^{last} 24 hrs

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	1004	21	Heavy Powder
5	0927	1	Survey @ dilly dally alley 5" fresh powder
6	0953	13	
8	0945	5	Soft deep powder showing heavy
10	closed	closed	Chair 3 closed for repair; reopened @ 1100

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1144	35	Snowing
11	1130	7	Snowing
7	1128	18	Snowing; choppy powder
9	1104	10	only Marmot groomed 1-ft opened @ 11am early snow conditions on non groomed runs
10	1110	0	Closed @ top of run but surveyed anyway → lots of stumps & visible brush

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1407	27	Flurries & 14 winds
2	1357	7	Flurries improved visibility
4	1327	0	bottom 2/3 foggy no skiers either cloud 9 or Keystone
3	1335	0	Snowing 14 winds
10	1312	0	Closed @ top of run

Additional Observer Notes (if any):

Snowed steady all day.
Chair 3 was closed for repair until 1100. Hercules and Big Dipper and Piragony were roped off @ the start of the runs. I surveyed just incase someone skied into those runs.
Red Dog was not groomed but Marmot was.
Afternoon (1-3) was mostly flurries and patchy fog.

Skier Survey Form V2

Date 12-23-14

Observer K. Bowman

Lift 1, 2 and 4 open

No new snow 24 hrs

Base temp 25°

Summit temp 21°

Snowdepth Base 18" Summit 37"

machine groomed packed powder

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	9:28	11	Partly cloudy, <5mph wind
5	10:14	3	@dilly dally intersection. Bottom o + run very poor conditions
6	9:54	8	Nice groomers
8	9:45	Zero	Crusty Powder. lots of tops, stumps, early conditions
10	Closed	Closed	Lift 3 closed

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:34	35 ^{up} down the hill	lots of teaching/watching
11	11:06	5	Partly sunny <5mph wind
7	11:25	23	2 were ski patrol
9	Closed	-	Chair 3 closed
10	Closed	-	Chair 3 closed

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1400	47	47 came down & many were repeats
2	1351	18	Cloudy
4	1300	0	Bottom of 2 poor conditions
3	1326	2*	*2 went down but cut over to Rolling Thunder
10	Closed	Closed	Chair 3 closed

Additional Observer Notes (if any):

Morning was partly sunny, lt wind.

Powder was "crusty" & groomers were hard packed.

Bottom of Montana side had very little snow. Groomed runs had logs, brush and stumps throughout.

Idaho side was considerably better snow conditions

Appendix C: Skier Survey Form V1

Date 12/19/14

Observer T. Berard & L. Davis

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	0908	0	
2	0930	2	
4			Run closed due to lack of snow
3			Run closed due to lack of snow
10			Run closed due to lack of snow

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1116	10	ski lesson w/ 3 instructors
5			Run closed due to lack of snow
6	1103	7	
8	1056	1	
10			Run closed due to lack of snow

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1323	3	
11	1318	3	
7	1306	17	
9			Run closed due to lack of snow
10			Run closed due to lack of snow

Additional Observer Notes (if any):

Ski conditions are wet & minimal snow on certain slopes. Only chairs 1 & 4 are currently operating so can only get counts at points 1, 2, 6, 7, 8, 11 today, and all are currently flagged. Not a lot of people skiing due to conditions.

Skier Survey Form V2

Date 12/18/2014

Observer Tammy Maiolie

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	9:00	1	
5			Run closed due to lack of snow
6	9:55	3	
8	10:30	4	
10			Run closed due to lack of snow

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:00	0	
11	12:30	0	
7	12:00	21	
9			Run closed due to lack of snow
10			Run closed due to lack of snow

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1:05	0	
2	1:35	4	
4			Run closed due to lack of snow
3			Run closed due to lack of snow
10			Run closed due to lack of snow

Additional Observer Notes (if any):

Early season conditions exist; 9" base, 21" top.
Runs leading to Quicksilver (survey point #11)
were closed. Noticed skiers on Quicksilver so
I performed a survey.

Appendix C: Skier Survey Form V1

Date 2/13/15

Observer L. Davis

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	937	18	Dozen on the hill
2	929	18	
4	920	0	Bottom half no snow
3	920	3	1
10	_____	closed	_____

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1145	45	50 plus on the hill
5	1100	32	
6	1132	13	
8	1125	8	
10	_____	closed	_____

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1317	64	200 on hill
11	1311	17	
7	1302	43	
9	_____	closed	_____
10	_____	closed	_____

Additional Observer Notes (if any):

Beautiful sunny day!

Appendix C: Skier Survey Form V1

Date 2-16-2015

Observer Frigard

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	912	9	6 on hill
2	1000	12	
4	934	2	
3	934	0	
10			

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1112	22	26 hill
5	1135	14	hill icy - bottom pool
6	1203	16	
8	1155	6	
10			

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1300	28	16
11	1307	18	
7	1322	32	
9			
10			

Additional Observer Notes (if any):

Snow hard as
Rock most
the day

Skier Survey Form V3

Date 2/20/15

Observer L. Davis

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	935	22	3 on hill
11	929	2	
7	921	18	
9			
10	Closed		

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1121	21	10 on hill
2	1113	33	
4	1101	4	
3	1101	2	
10	Closed		

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1334	19	0
5	1300	10	
6	1326	12	
8	1318	1	
10	Closed		

Additional Observer Notes (if any):

Fresh snow, mostly cloudy & snowing
 Tam Garry > Food drive

Appendix C: Skier Survey Form V1

Date 2/23/15

Observer L. Davis

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	950	10	0 on hill
2	942	0	
4	932	0	
3	932	0	
10	Closed		

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1130	0	0
5	1100	9	
6	1122	9	
8	1116	3	
10	Closed		

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1320	6	0
11	1313	2	
7	1305	16	
9	Closed		
10	Closed		

Additional Observer Notes (if any):

18° this morning - warmed up by 1200

Skier Survey Form V3

Date 2/25/15

Observer L. Davis

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	955	4	5 on hill
11	948	1	
7	930	5	
9			
10	> closed		

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1120	10	0
2	1113	4	
4	1103	4	
3	1103	0	
10	closed		

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1			
5			
6			
8			
10			

Additional Observer Notes (if any):

Had to go home due to family
Sunny - Great day!

Skier Survey Form V2

Date 2/27/2015

Observer K Bowman

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	951	22	Sunny 1+ breeze
5	910	0	1+ cover but better than 2/20/15
6	943	12	setting up Bonanza for races
8	936	1	down Idaho side breezy
10	Closed		

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	1212	34	
11	1205	11	
7	1148	22	Sunny breezy up top
9	Closed		
10	Closed		

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1342	28	Sunny 1+ breeze
2	1326	15	" " "
4	1300	0	Cloud 9 open to bottom Keystone closed bottom 1/2
3	1306	0	Bottom 1/2 of sundance & whitetail closed then cover
10			closed

Additional Observer Notes (if any):

- Trace of ^{new} snow
- 1+ wind to breezy on top
- Lift 3 closed
- Cloud 9 & Rainbow only access to Chair 2, then cover
- several schools came as well as ski race teams

Point 9 & 10 closed

Skier Survey Form V3

Date 3/5/2015

Observer Tammy Maiolie

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	9:00	0	2 on hill
11	9:16	3	
7	9:31	13	
9		NA	chair closed
10		NA	chair closed

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:00	5	0 on hill
2	11:07	20	
4	11:20	2	
3	11:26	0	
10		NA	chair closed

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1:00	5	0 on hill
5	1:20	5	
6	1:40	3	
8	1:56	0	
10		NA	chair closed

Additional Observer Notes (if any):

Sunny, warm, good skiing conditions
 Chair 3 closed due to lack of snow
 Bottom of Sundance, Keystone, Whitetail are closed due to lack of snow
 About 120 cars in parking lot

Appendix C: Skier Survey Form V1

Date 3/9/15

Observer L. Davis

Morning Timeframe (9-11 AM)

Observation Point #	Time (0:00 AM)	# of Skiers in 5 minutes	Observer Notes
1	9:48	0	
2	9:40	1	
4	> closed		
3			
10			

Mid-Day Timeframe (11 AM- 1 PM)

Observation Point #	Time (0:00 AM/PM)	# of Skiers in 5 minutes	Observer Notes
1	11:14	1	4 on hill
5	Closed		
6	11:07	10	
8	11:00	0	
10	> closed		

Afternoon Timeframe (1-3 PM)

Observation Point #	Time (0:00 PM)	# of Skiers in 5 minutes	Observer Notes
1	1:13	11	1 on hill
11	1:18	7	
7	1:05	4	
9	> closed		
10			

Additional Observer Notes (if any):

